

Koch, Kristine

From: MCCLINCY Matt <MCCLINCY.Matt@deq.state.or.us>
Sent: Monday, February 22, 2016 9:10 AM
To: Koch, Kristine
Cc: DeMaria, Eva; PARRETT Kevin; JOHNSON Keith; GREENFIELD Sarah; ROICK Tom; LIVERMAN Alex
Subject: FW: Pdx Harbor Performance Monitoring Plan

Hi Kristine,

Besides the source control component, the performance monitoring plan forms the basis for confirming that EPA's remedy achieves remedial action objectives. Consequently, it is a significant document for the state. DEQ looks forward to reviewing the details of this element of the proposed plan and expects to subsequently work closely with EPA as the additional plan details are resolved.

Initial concepts that we anticipate would be in the plan include:

- Media-specific data quality objectives based on the RAOs - we recommended sampling of fish tissue (bass, carp, crayfish), in-river sediment traps, surface water and surface sediment using Incremental Sampling Methodology.
- Sample collection, processing, analytical methodologies, data reduction and QAQC should be consistent with LWG's approach for the RI so that post-ROD data can be compared to RI data. For surface sediment, DEQ recommends selection of several monitoring stations that would capture the various hydrodynamic characteristics of the river. These stations would be developed into ISM decision units for long-term monitoring. Also, these ISM DUs should be collocated with sampling stations for in-river sediment traps, fish tissue and possibly surface water.
- Long-term sampling should be performed at the PH upstream and downstream site boundaries. At least initially, sampling also should be performed at the upstream boundary of the Downtown Reach so that potential contributions from the DTR can be verified.
- Sampling should be done immediately following the ROD to establish an updated baseline data set, semiannually through the first 10 years and then at five year intervals.
- The long-term monitoring plan should include a comprehensive database management plan and site-specific database. The database should be compatible to the LWG's SCRA database.

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From: Koch, Kristine [<mailto:Koch.Kristine@epa.gov>]
Sent: Friday, February 12, 2016 12:55 PM
To: MCCLINCY Matt
Cc: DeMaria, Eva; LIVERMAN Alex
Subject: RE: Pdx Harbor Performance Monitoring Plan

Yes, unless you have anything specific you want to see in the Monitoring Plan. We don't need details, just concepts.

Kristine Koch
Remedial Project Manager
USEPA, Office of Environmental Cleanup

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From: MCCLINCY Matt [<mailto:MCCLINCY.Matt@deg.state.or.us>]
Sent: Friday, February 12, 2016 12:53 PM
To: Koch, Kristine <Koch.Kristine@epa.gov>
Cc: DeMaria, Eva <DeMaria.Eva@epa.gov>; LIVERMAN Alex <liverman.alex@deg.state.or.us>
Subject: RE: Pdx Harbor Performance Monitoring Plan

OK,

So, we should just wait and review and comment as part of the proposed plan?

From: Koch, Kristine [<mailto:Koch.Kristine@epa.gov>]
Sent: Friday, February 12, 2016 11:49 AM
To: MCCLINCY Matt
Cc: DeMaria, Eva; LIVERMAN Alex
Subject: RE: Pdx Harbor Performance Monitoring Plan

Matt – Yes, some elements of the Monitoring Plan will be presented in the Proposed Plan and ROD. This document will be finalized after the ROD.

Kristine Koch
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From: MCCLINCY Matt [<mailto:MCCLINCY.Matt@deg.state.or.us>]
Sent: Friday, February 12, 2016 11:14 AM
To: Koch, Kristine <Koch.Kristine@epa.gov>
Cc: DeMaria, Eva <DeMaria.Eva@epa.gov>; LIVERMAN Alex <liverman.alex@deg.state.or.us>
Subject: Pdx Harbor Performance Monitoring Plan

Hi Kristine,

During the Wednesday meeting you mentioned that EPA is developing a performance monitoring plan and that we should discuss the source control monitoring elements. Did I hear correctly that you anticipate that it will be included in the proposed plan? We ran out of time to discuss, but Alex and I are excited to hear what you have developed. Please let us know how we can get plugged in.

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